Title (en)

METHODS AND APPARATUS FOR REMOTELY CONTROLLING A CAMERA IN AN ENVIRONMENT WITH COMMUNICATION LATENCY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FERNSTEUERUNG EINER KAMERA IN EINER UMGEBUNG MIT KOMMUNIKATIONSLATENZ

Title (fr)

PROCÉDÉS ET APPAREIL DE COMMANDE À DISTANCE D'UNE CAMÉRA DANS UN ENVIRONNEMENT AVEC LATENCE DE COMMUNICATION

Publication

EP 3550824 A1 20191009 (EN)

Application

EP 19167401 A 20190404

Priority

- US 201862653613 P 20180406
- US 201916369062 A 20190329

Abstract (en)

Methods, apparatus, and systems are provided for remotely controlling a camera in an environment where there is a delay. A control device is provided for controlling a remotely located camera via a network. The control device comprises a monitor for viewing an image provided by the camera. A control signal is sent from the control device to the camera with a command for controlling at least one of a function, setting, or parameter of the camera. An image displayed on the monitor of the control device is modified in accordance with the command to provide an emulated image for display prior to execution of the command at the camera.

IPC 8 full level

H04N 5/232 (2006.01)

CPC (source: CN EP KR US)

H04N 1/00251 (2013.01 - CN); **H04N 5/268** (2013.01 - US); **H04N 23/62** (2023.01 - EP KR US); **H04N 23/632** (2023.01 - CN US); **H04N 23/661** (2023.01 - CN EP KR US); G08C 17/02 (2013.01 - CN); G08C 19/00 (2013.01 - CN)

Citation (applicant)

- US 201862653613 P 20180406
- US 201916369062 A 20190329

Citation (search report)

- [XI] US 2002057348 A1 20020516 - MIURA MASAKI [JP], et al
- [I] US 2013155182 A1 20130620 - BEKIARES TYRONE D [US], et al
- [I] US 2015022674 A1 20150122 - BLAIR NICK S [US], et al
- [IA] US 2015378000 A1 20151231 - BAR DAVID SAGIV [IL], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3550824 A1 20191009; **EP 3550824 B1 20230726**; **EP 3550824 C0 20230726**; CA 3038729 A1 20191006; CN 110351477 A 20191018; CN 110351477 B 20221101; ES 2952188 T3 20231030; JP 2019186934 A 20191024; KR 20190117379 A 20191016; US 11212431 B2 20211228; US 2019313006 A1 20191010

DOCDB simple family (application)

EP 19167401 A 20190404; CA 3038729 A 20190402; CN 201910277889 A 20190408; ES 19167401 T 20190404; JP 2019070383 A 20190402; KR 20190039597 A 20190404; US 201916369062 A 20190329